

Facilities Planning Model Assessment of
Sports Hall Provision for
South Oxfordshire District Council

Layered Maps

14 December 2023

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Population distribution based on 2021 Census data for output areas. Population for 2023 and 2041 modified by 2018-based Subnational Population Projections for Local Authorities. Adapted from data from the Office for National Statistics licensed under the Open Government Licence v.3.0. London boroughs modified by © GLA 2021-based demographic projections – ward populations, identified capacity scenario.

Index of Multiple Deprivation data contains public sector information licensed under the Open Government Licence v3.0.

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1. DEMAND FOR SPORTS HALLS

Run 1: Existing Provision (2023)

Run 2: Forward Projection (2041)

Run 3: Options for Changes to Supply Scenario 1 (2041)

Deprivation (IMD 2019)

Facilities Planning Model - Halls Demand for South Oxfordshire

RUN 1: Existing Provision (2023)

Peak period demand aggregated at 1km square grid level expressed as number of badminton courts (figure labels) and shown thematically (colours).

Facilities Included in Run
◆ Sports Hall Location

Boundaries

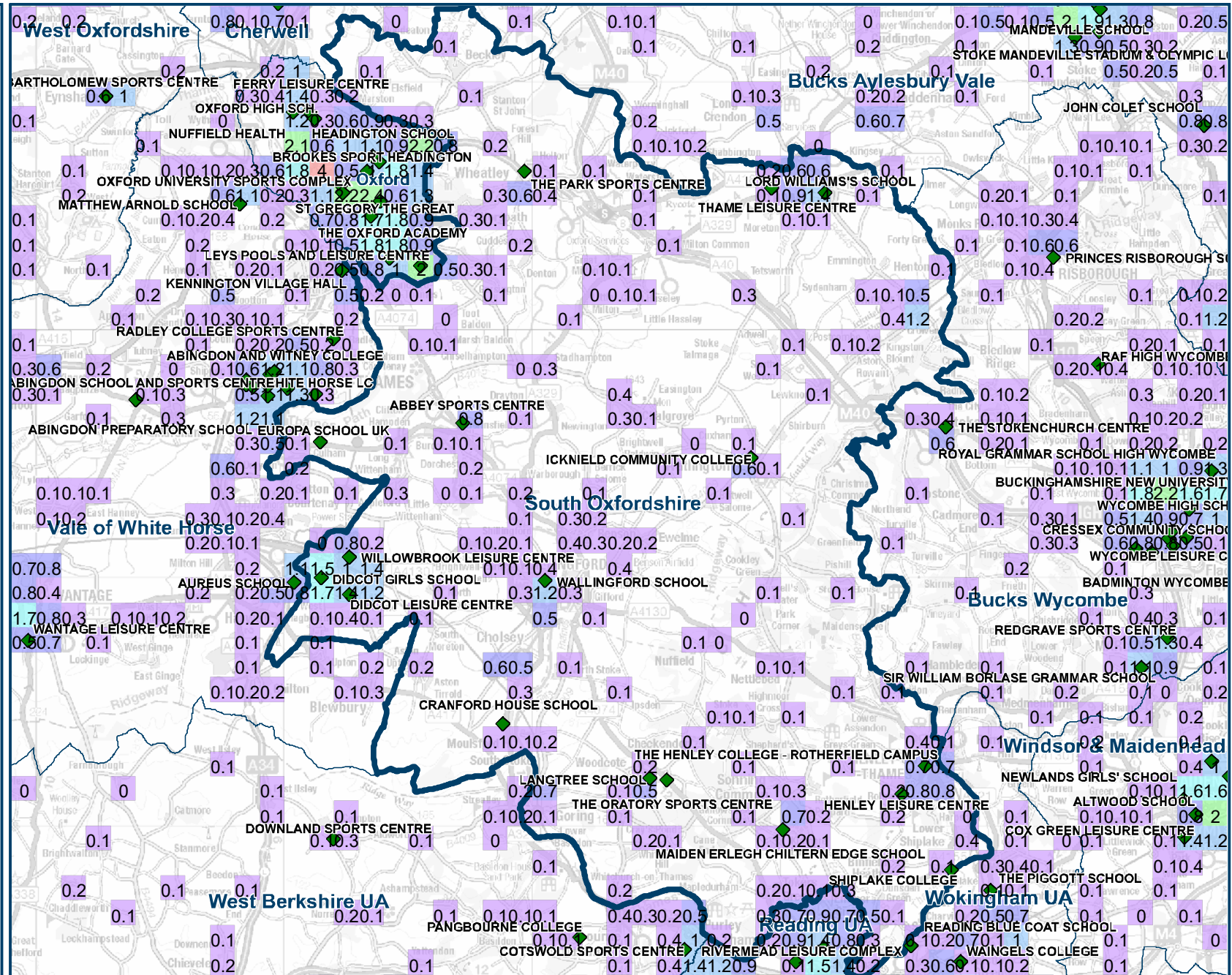
South Oxfordshire
Neighbouring Local Authorities

Peak Period Demand in 1km squares
expressed as units of badminton courts



E23_SOX_H1

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Facilities Planning Model - Halls Demand for South Oxfordshire

RUN 2: Forward Projection (2041)

Peak period demand aggregated at 1km square grid level expressed as number of badminton courts (figure labels) and shown thematically (colours).

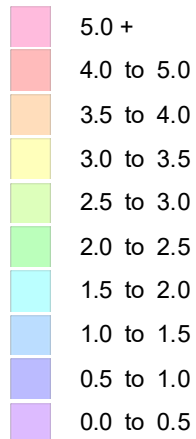
Facilities Included in Run

- ◆ Sports Hall Location
- ◆ New Sports Hall Location

Boundaries

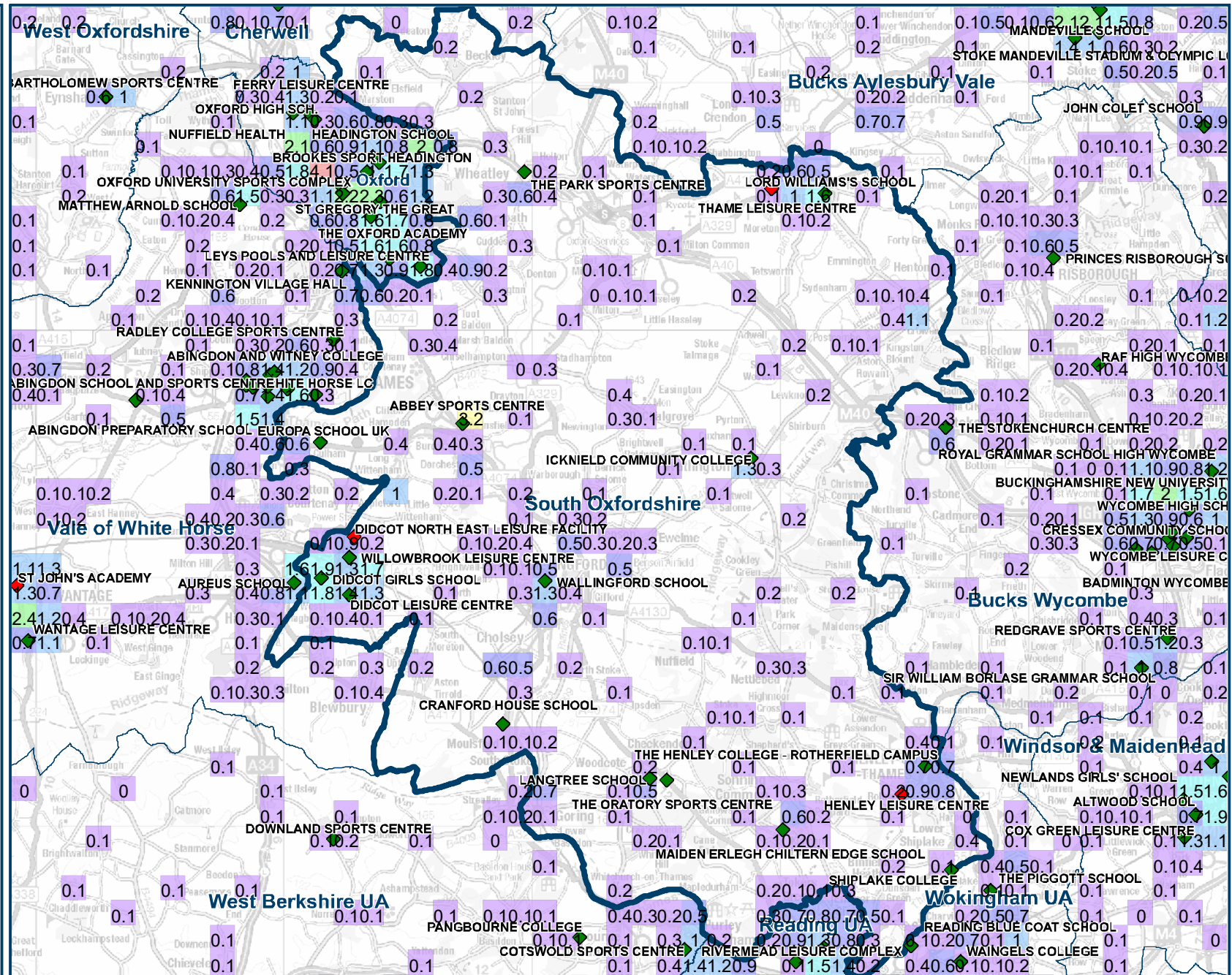
- South Oxfordshire
- Neighbouring Local Authorities

Peak Period Demand in 1km squares expressed as units of badminton courts



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Facilities Planning Model - Halls Demand for South Oxfordshire

RUN 3: Options for Changes to Supply Scenario 1 (2041)

Peak period demand aggregated at 1km square grid level expressed as number of badminton courts (figure labels) and shown thematically (colours).

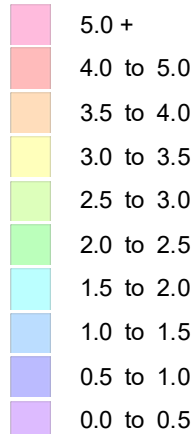
Facilities Included in Run

- ◆ Sports Hall Location
- ◆ New Sports Hall Location

Boundaries

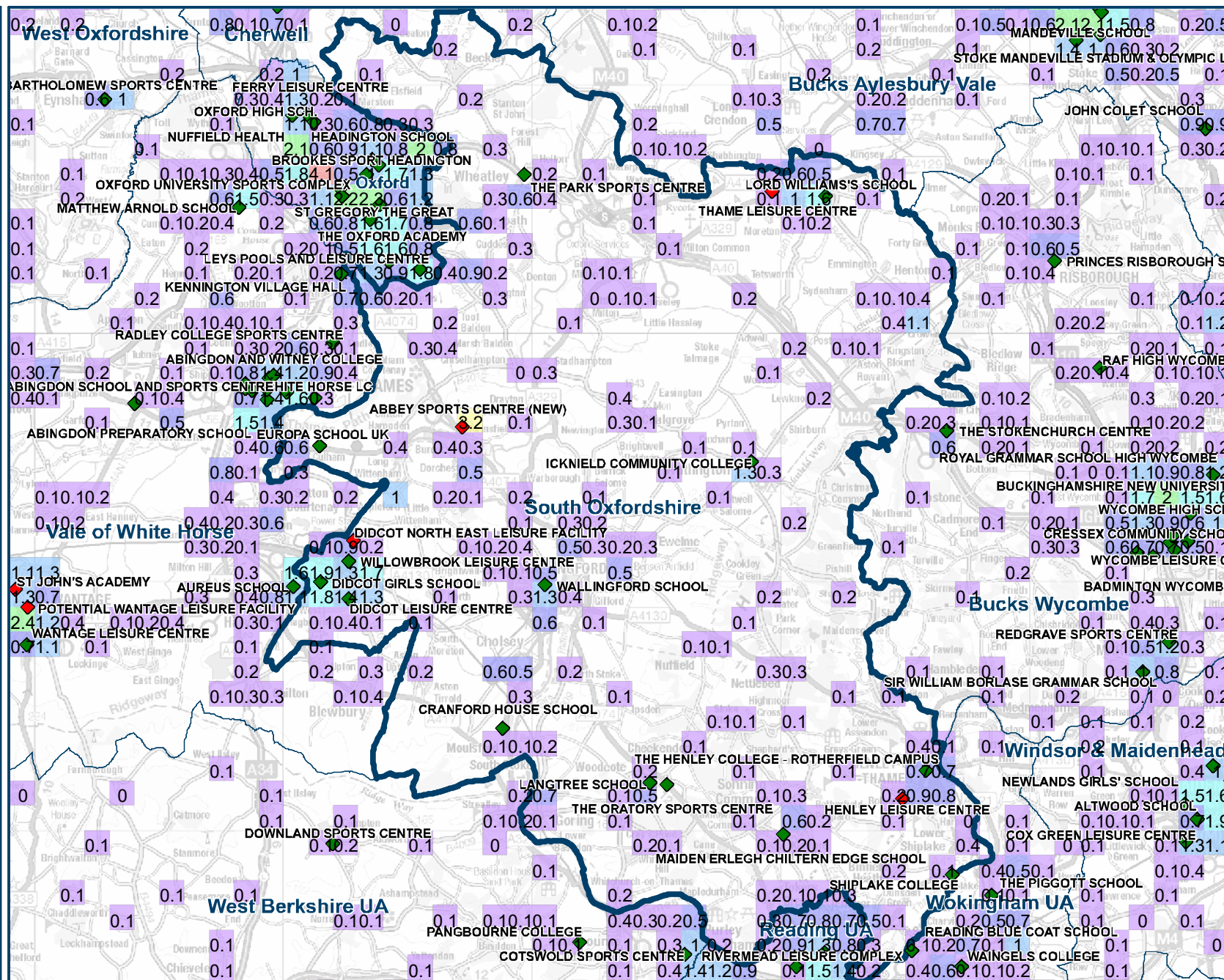
- South Oxfordshire
- Neighbouring Local Authorities

Peak Period Demand in 1km squares expressed as units of badminton courts



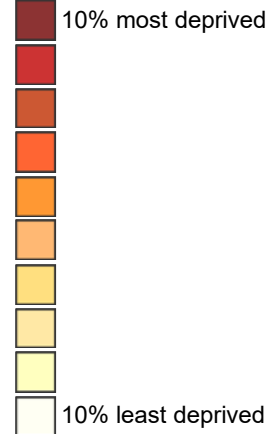
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Deprivation shown thematically (colours) at lower super output area level by decile.

Index of Multiple Deprivation (2019)



Facilities Included in Runs

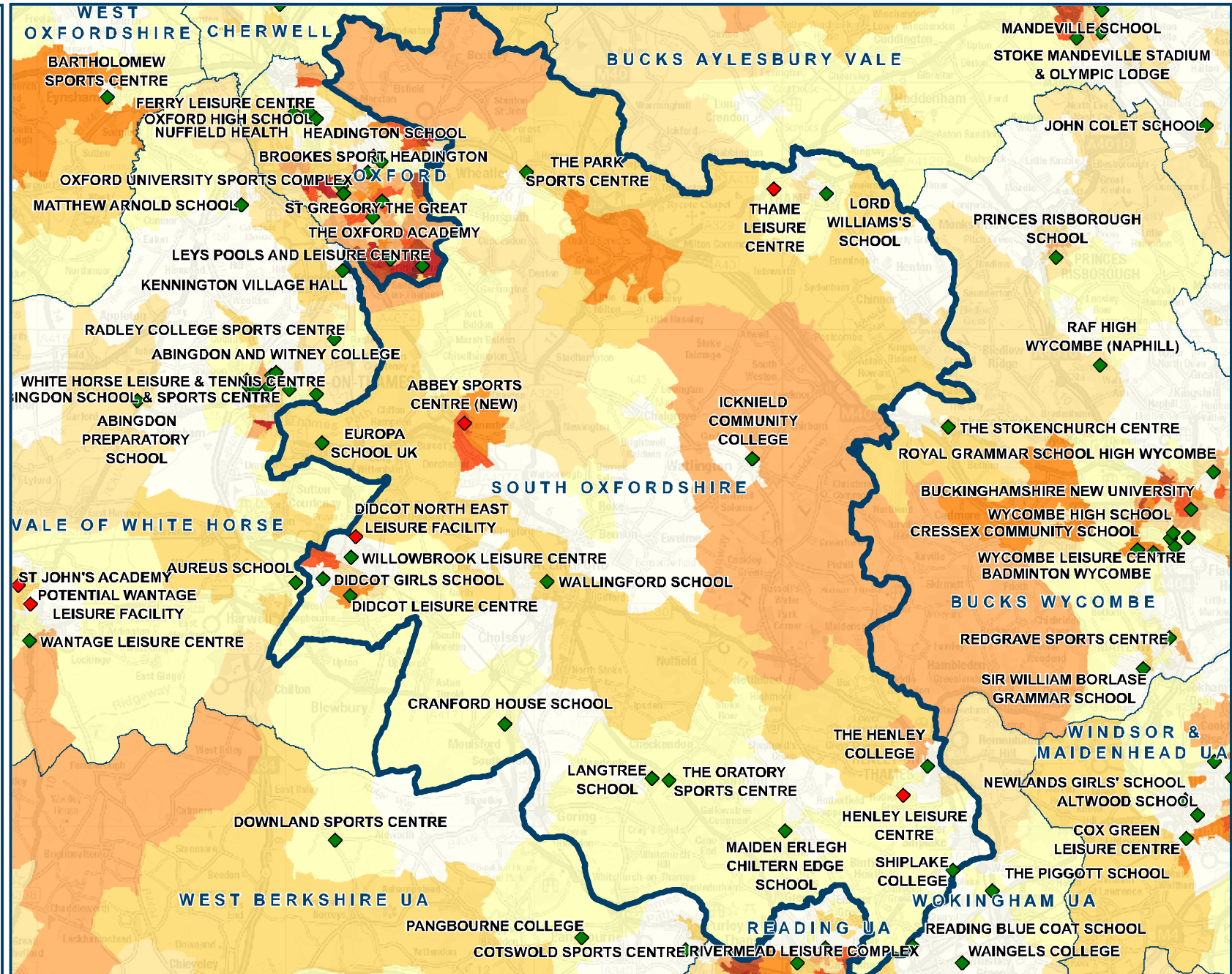
- Existing Sports Hall Location
- Proposed Sports Hall Location

Boundaries

- South Oxfordshire
- Neighbouring Local Authorities

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2. TRANSPORT ACCESS TO SPORTS HALLS

Walking and Driving Coverage

Run 1: Existing Provision (2023)

Run 2: Forward Projection (2041)

Run 3: Options for Changes to Supply Scenario 1 (2041)

Cycle Coverage

Run 1: Existing Provision (2023)

Run 2: Forward Projection (2041)

Run 3: Options for Changes to Supply Scenario 1 (2041)

Public Transport Access

Facilities Planning Model - Halls Coverage for South Oxfordshire

RUN 1: Existing Provision (2023)

Catchments shown thematically (colours) at output area (OA) level expressed as the number of Halls within 20 minutes travel time of output area centroid.

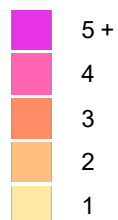
Facilities Included in Run

- ◆ Sports Hall Location

Boundaries

- South Oxfordshire
- Neighbouring Local Authorities

Number of Halls within 20 mins walking time of OA centroids (approx. 1 mile)

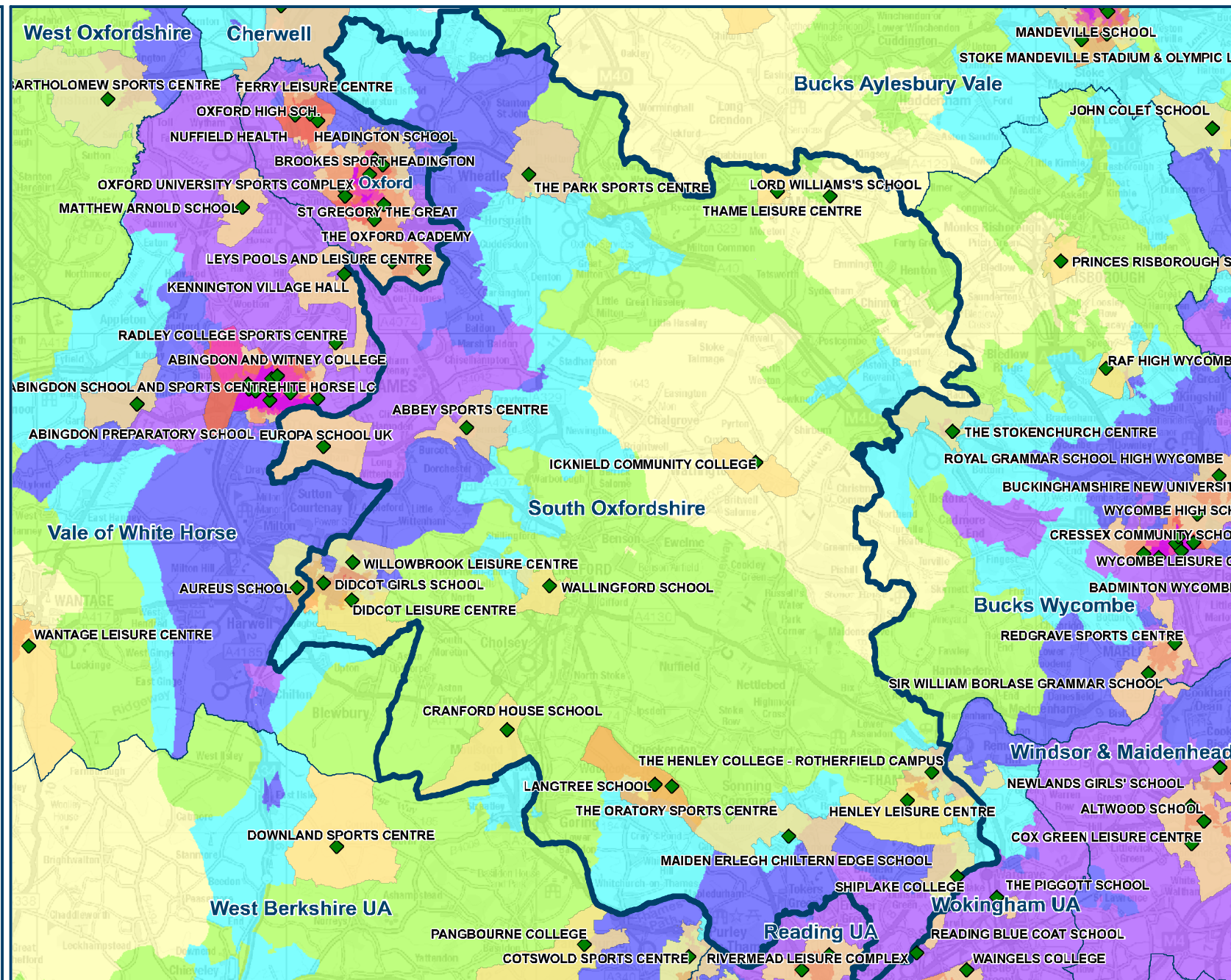


Number of Halls within 20 mins driving time of OA centroids



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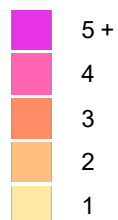
Facilities Included in Run

- ◆ Sports Hall Location
- ◆ New Sports Hall Location

Boundaries

- South Oxfordshire
- Neighbouring Local Authorities

Number of Halls within 20 mins walking time of OA centroids (approx. 1 mile)

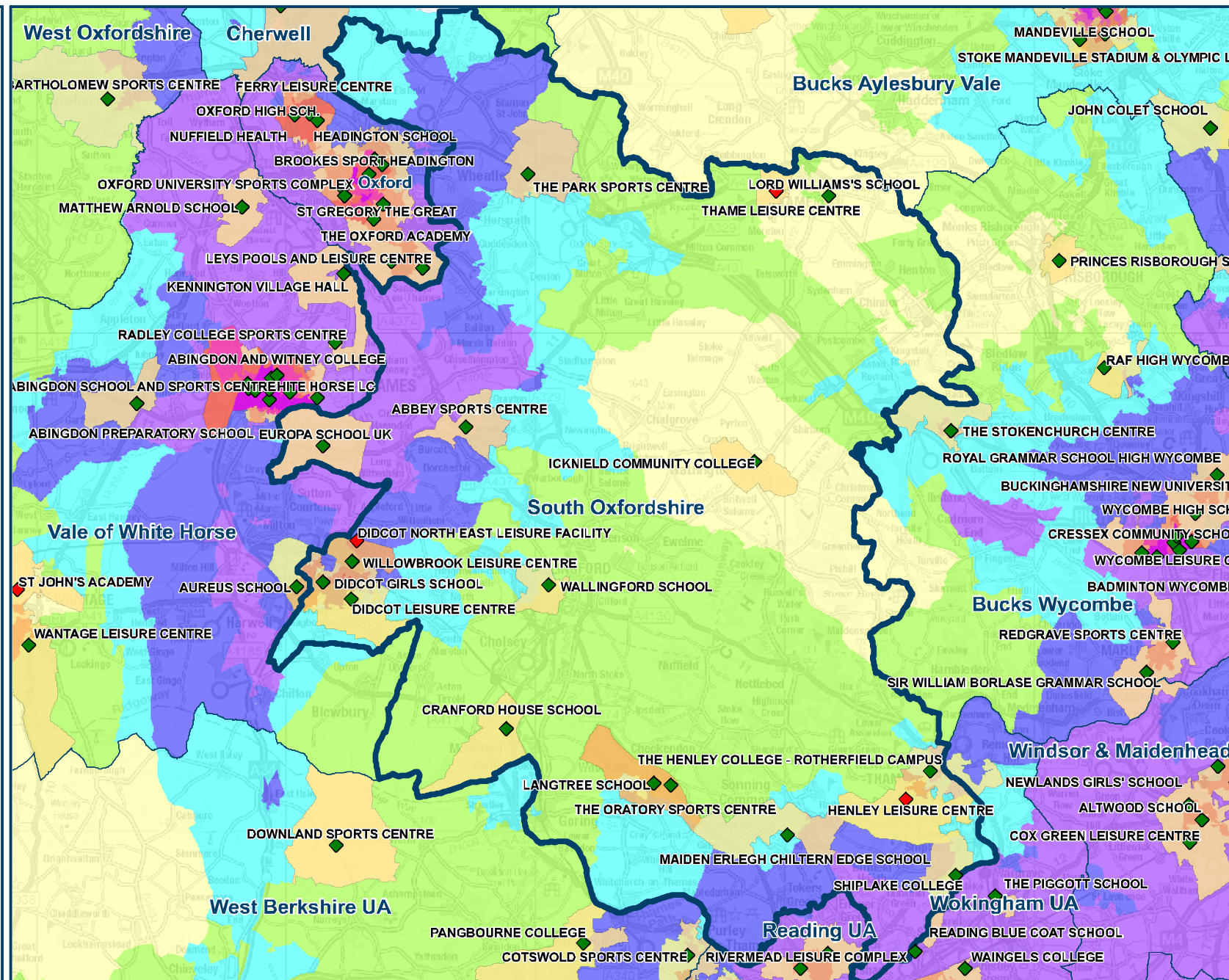


Number of Halls within 20 mins driving time of OA centroids



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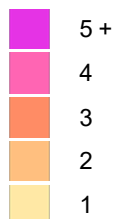
Facilities Included in Run

- ◆ Sports Hall Location
- ◆ New Sports Hall Location

Boundaries

- South Oxfordshire
- Neighbouring Local Authorities

Number of Halls within 20 mins walking time of OA centroids (approx. 1 mile)

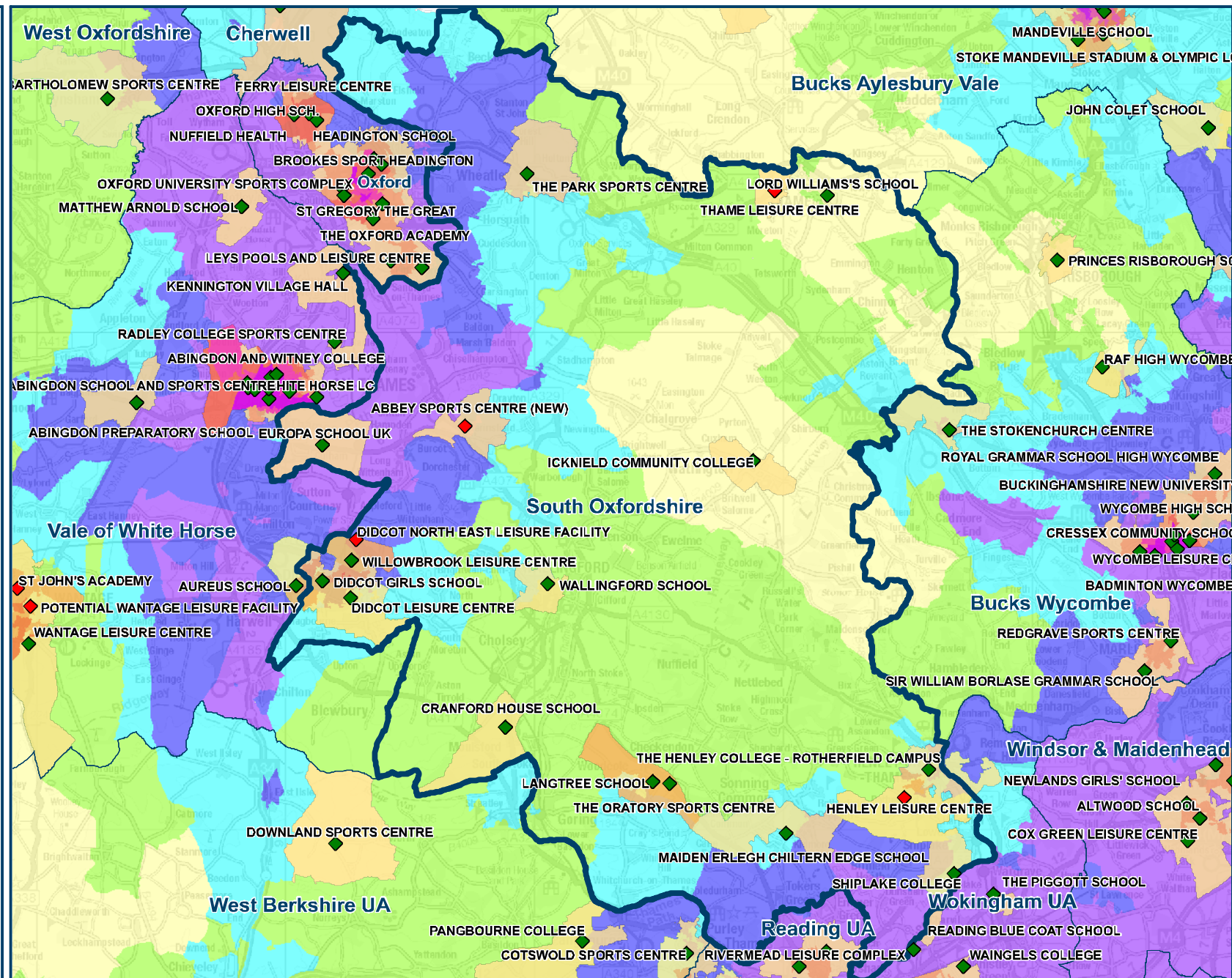


Number of Halls within 20 mins driving time of OA centroids

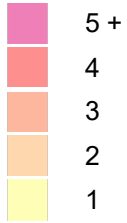


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Number of sports hall sites within 20 minutes cycle of output area centroids (approximately 4 miles).



Facilities Included in Runs

Existing Sports Hall

Boundaries

South Oxfordshire

Neighbouring Local Authorities

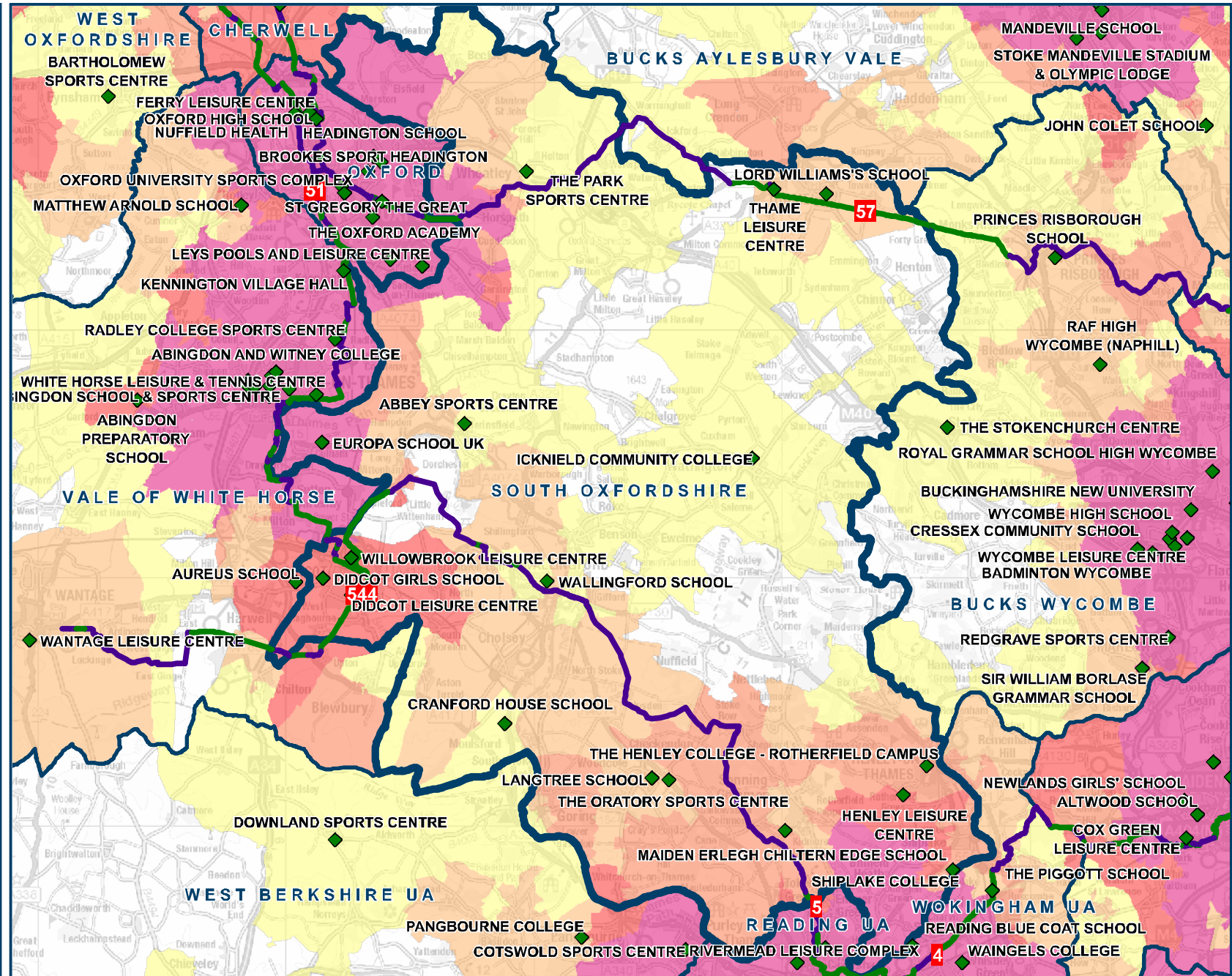
National Cycle Network

On Road

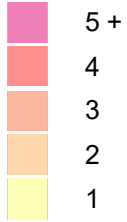
Traffic Free

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Number of sports hall sites within 20 minutes cycle of output area centroids (approximately 4 miles).



Facilities Included in Runs

- Existing Sports Hall
- Proposed Sports Hall

Boundaries

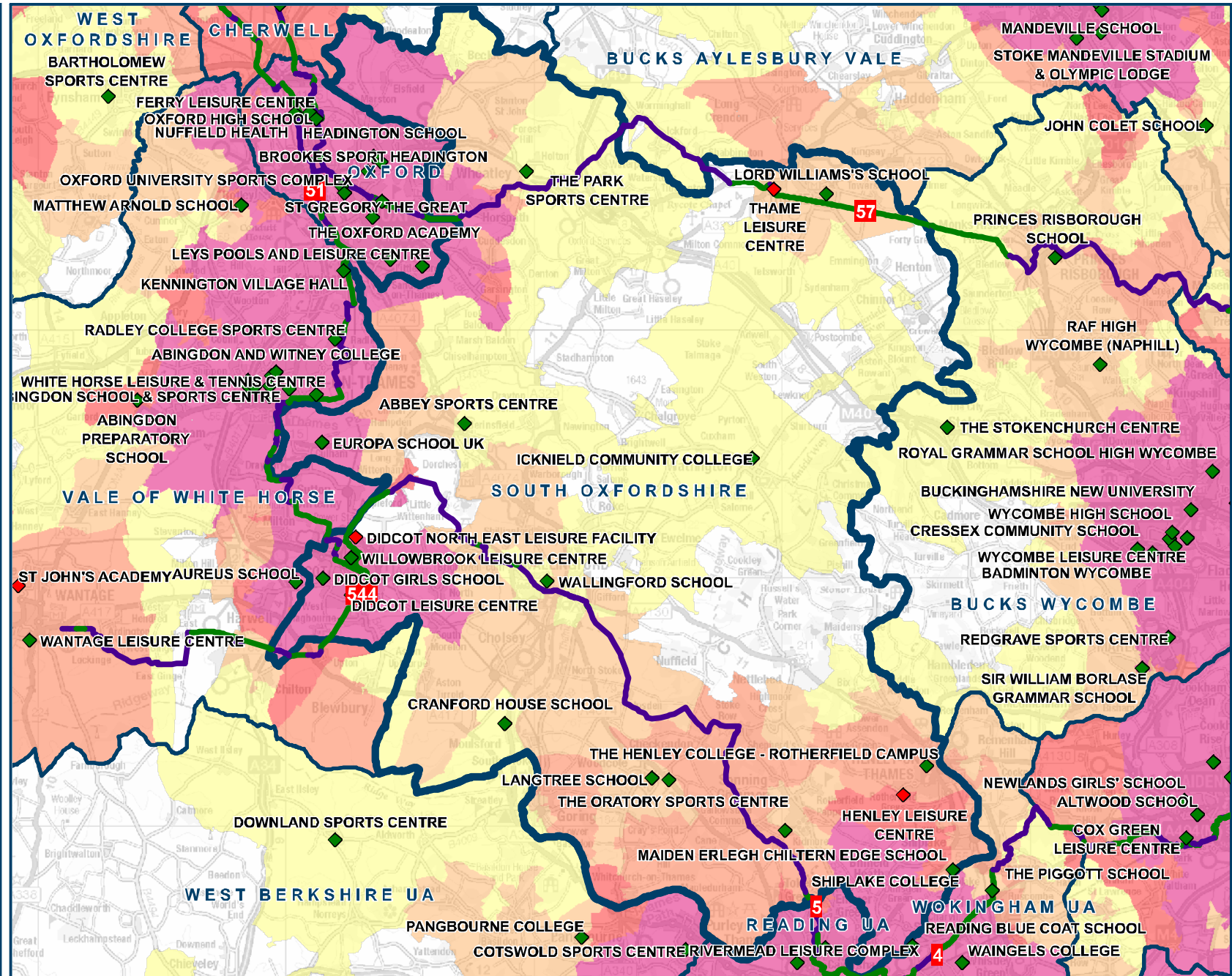
- South Oxfordshire
- Neighbouring Local Authorities

National Cycle Network

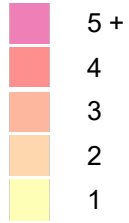
- On Road
- Traffic Free

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Number of sports hall sites within 20 minutes cycle of output area centroids (approximately 4 miles).



Facilities Included in Runs

- Existing Sports Hall
- Proposed Sports Hall

Boundaries

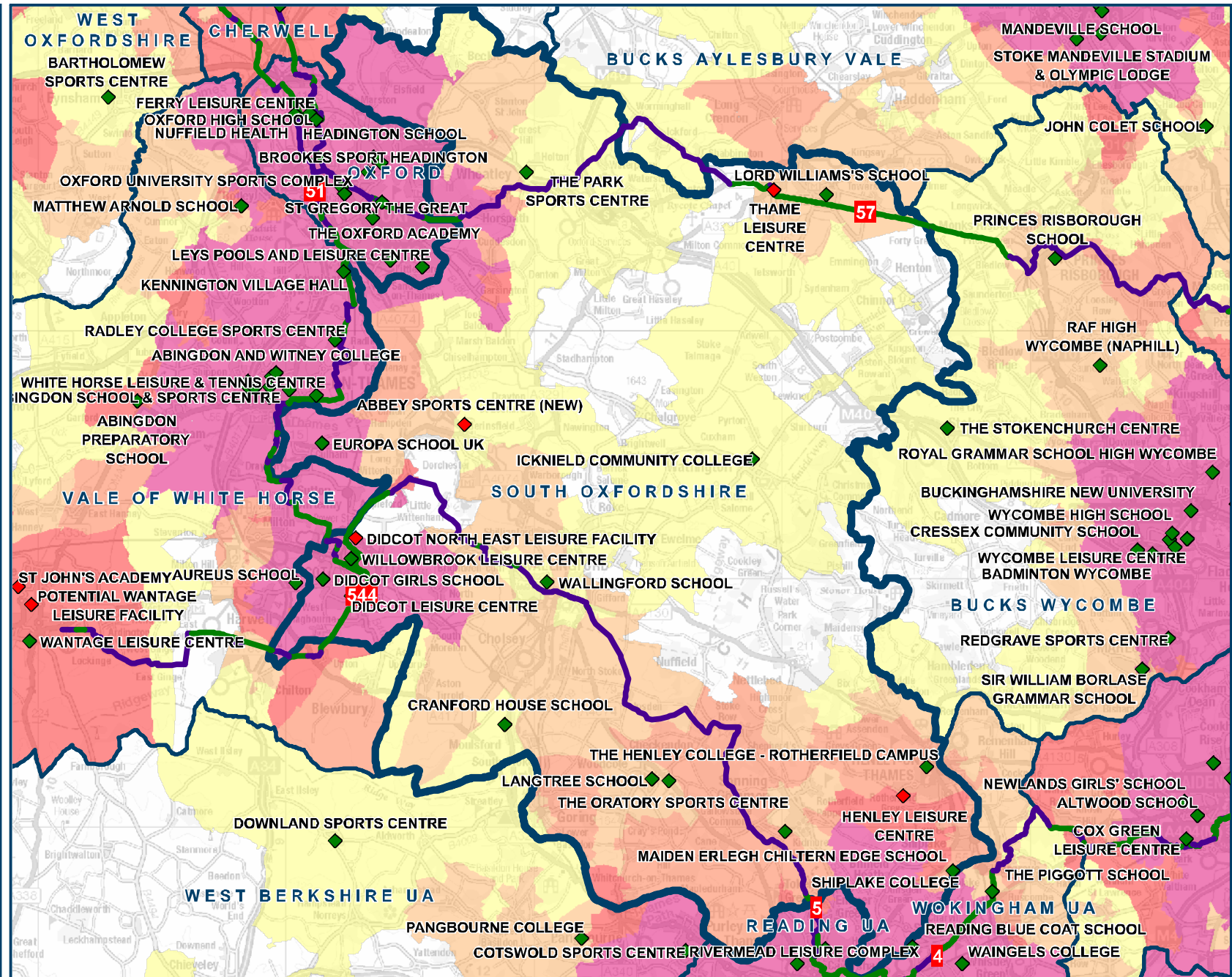
- South Oxfordshire
- Neighbouring Local Authorities

National Cycle Network

- On Road
- Traffic Free

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Areas within walking time shown thematically (colours) from bus, coach and tram stops, and railway, metro and underground stations.

Public Transport

- Railway/Metro/Underground Station

Walk Time from Station

- 5 minutes
- 10 minutes
- 15 minutes

Walk Time from Bus Stop

- 5 minutes

Facilities Included in Runs

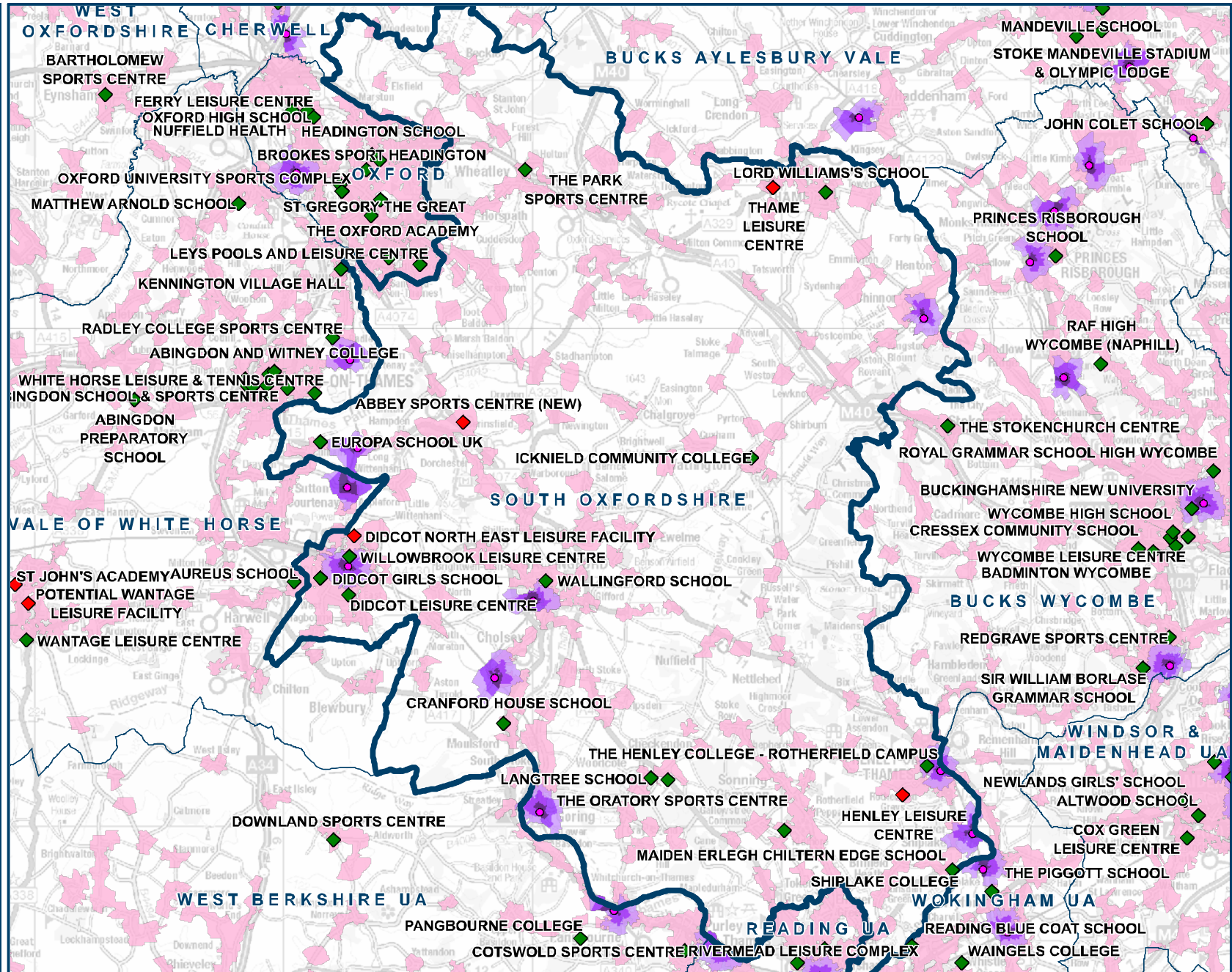
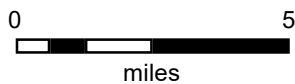
- Existing Sports Hall Location
- Proposed Sports Hall Location

Boundaries

- South Oxfordshire
- Neighbouring Local Authorities

E23_TOW_H1

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3. EXPORT OF SATISFIED DEMAND AND IMPORT OF USED CAPACITY

Run 1: Existing Provision (2023)

Run 2: Forward Projection (2041)

Run 3: Options for Changes to Supply Scenario 1 (2041)

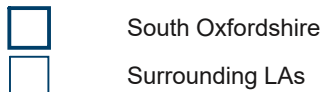
Facility Planning Model - Halls Import/Export for South Oxfordshire

RUN 1: Existing Provision (2023)

Imported and exported demand between study area and surrounding local authorities shown thematically (size of lines) as visits per week in the peak period.

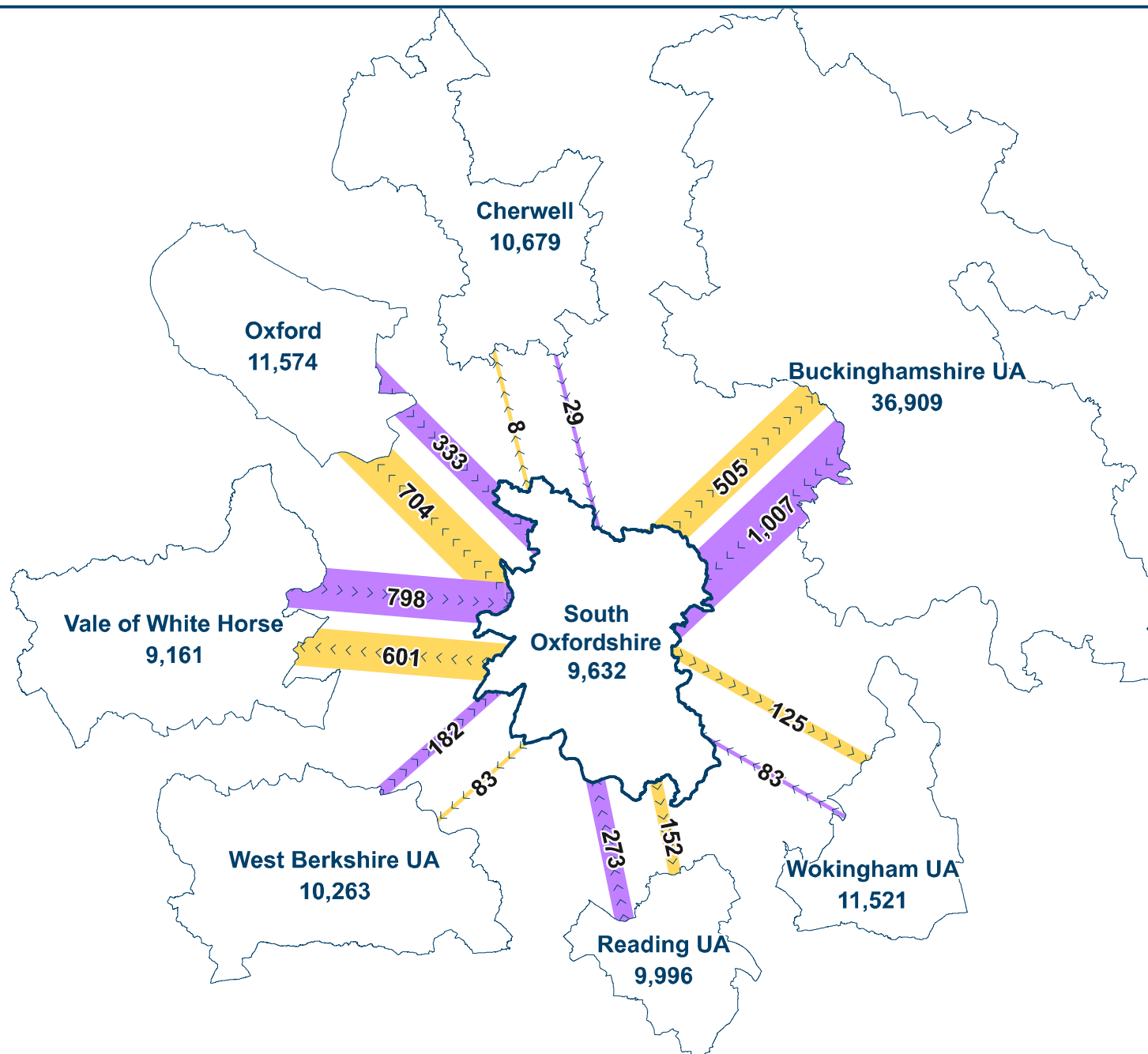
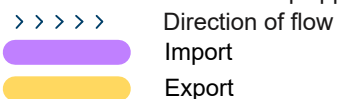
Boundaries

Values in areas show retained vpwpp



Import/Export

Values on arrows show flow vpwpp



E23_SOX_H1

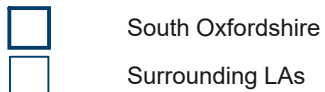
Facility Planning Model - Halls Import/Export for South Oxfordshire

RUN 2: Forward Projection (2041)

Imported and exported demand between study area and surrounding local authorities shown thematically (size of lines) as visits per week in the peak period.

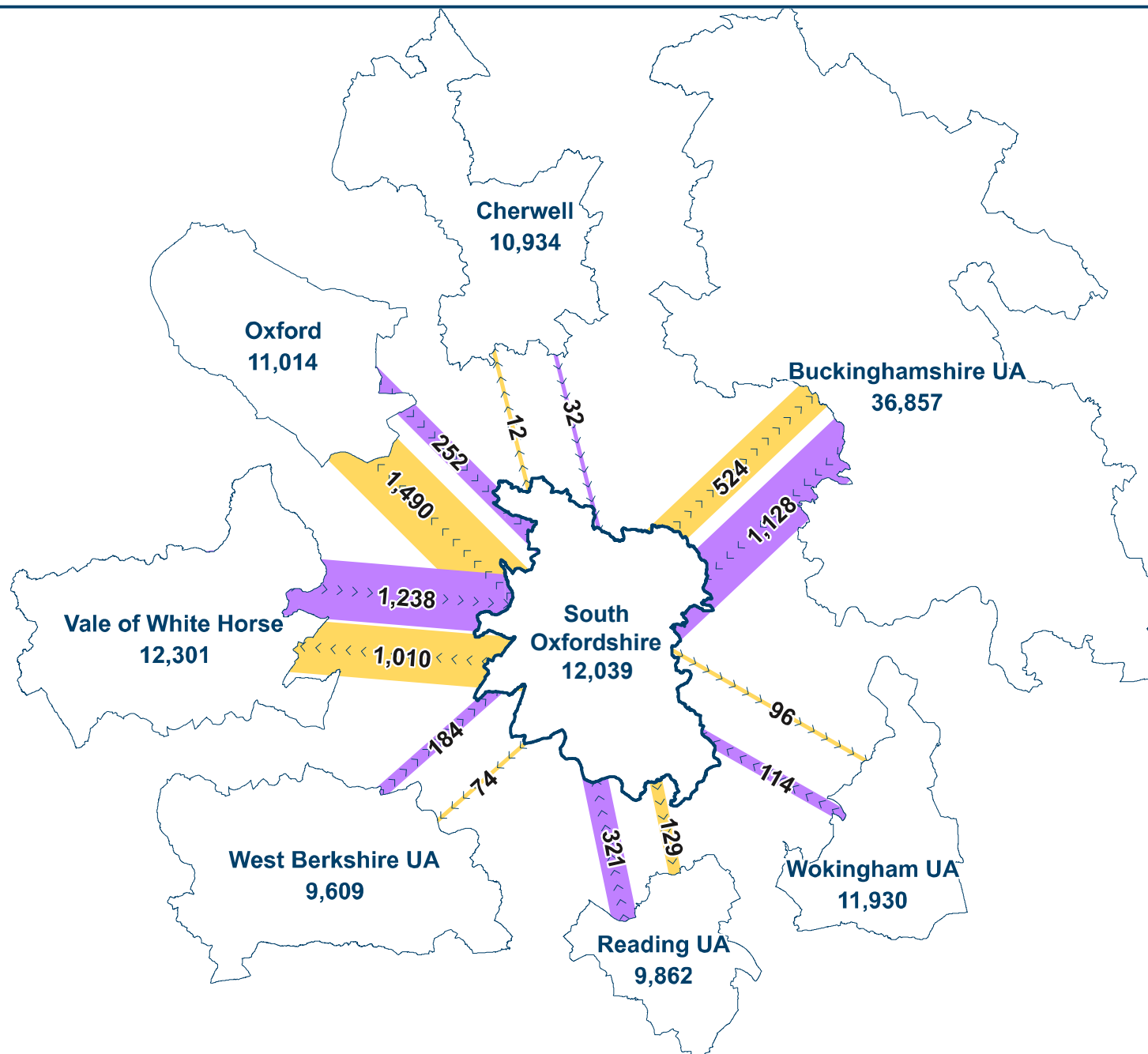
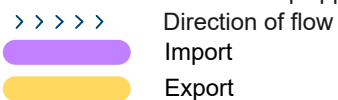
Boundaries

Values in areas show retained vpwpp



Import/Export

Values on arrows show flow vpwpp



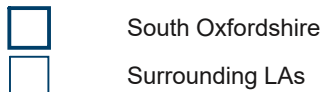
E23_SOX_H1

Facility Planning Model - Halls Import/Export for South Oxfordshire

RUN 3: Options for Changes to Supply Scenario 1 (2041)

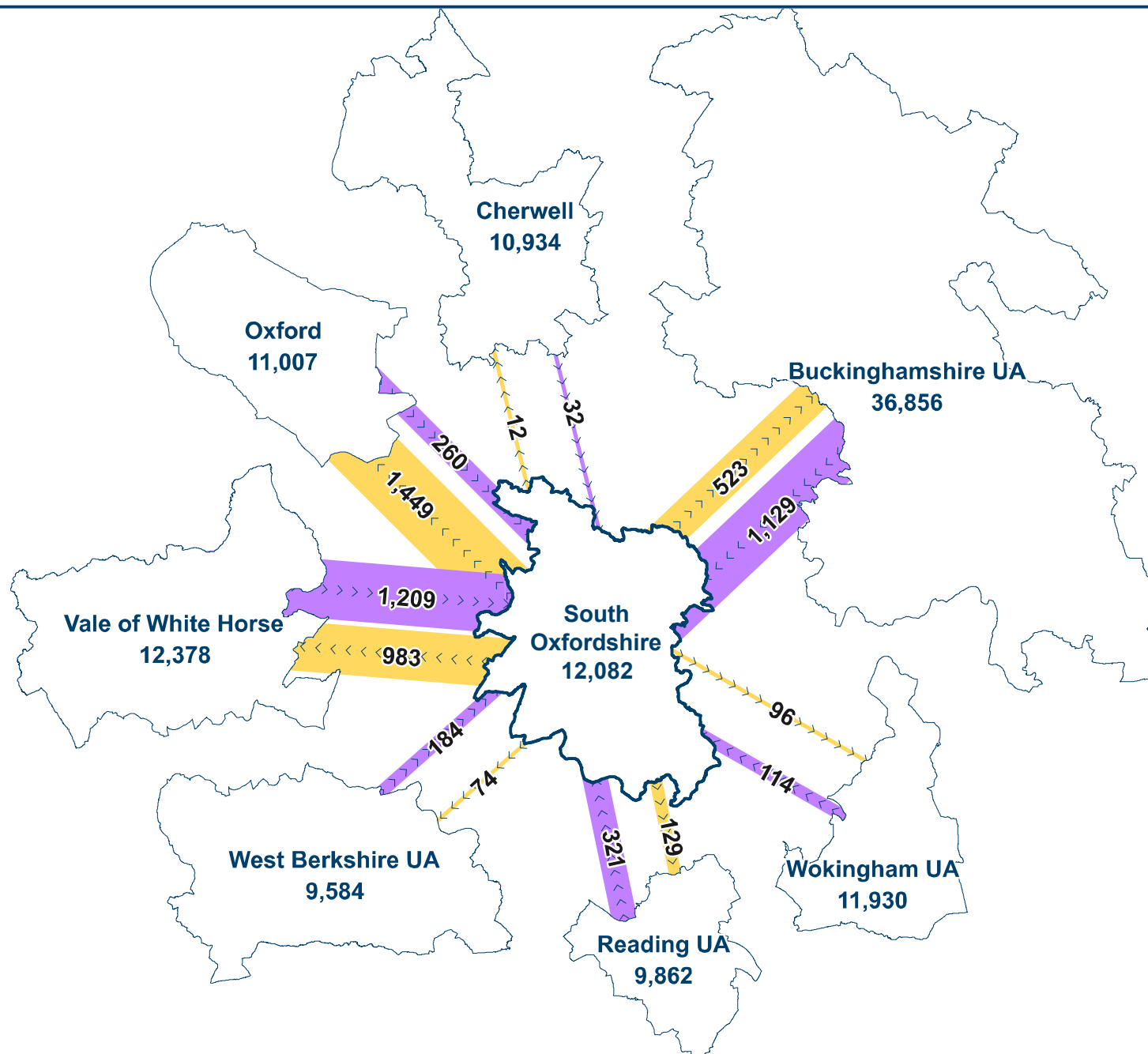
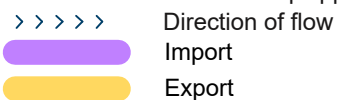
Imported and exported demand between study area and surrounding local authorities shown thematically (size of lines) as visits per week in the peak period.

Boundaries
Values in areas show retained vpwpp



Import/Export

Values on arrows show flow vpwpp



E23_SOX_H1

4. UNMET DEMAND

Run 1: Existing Provision (2023)

Run 2: Forward Projection (2041)

Run 3: Options for Changes to Supply Scenario 1 (2041)

Facilities Planning Model - Halls Unmet Demand for South Oxfordshire

RUN 1: Existing Provision (2023)

Unmet demand aggregated at 1km square grid level expressed in units of badminton courts (figure labels) and shown thematically (colours).

Facilities Included in Run

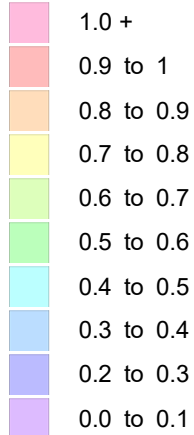
- ◆ Sports Hall Location

Boundaries

- South Oxfordshire
- Neighbouring Local Authorities

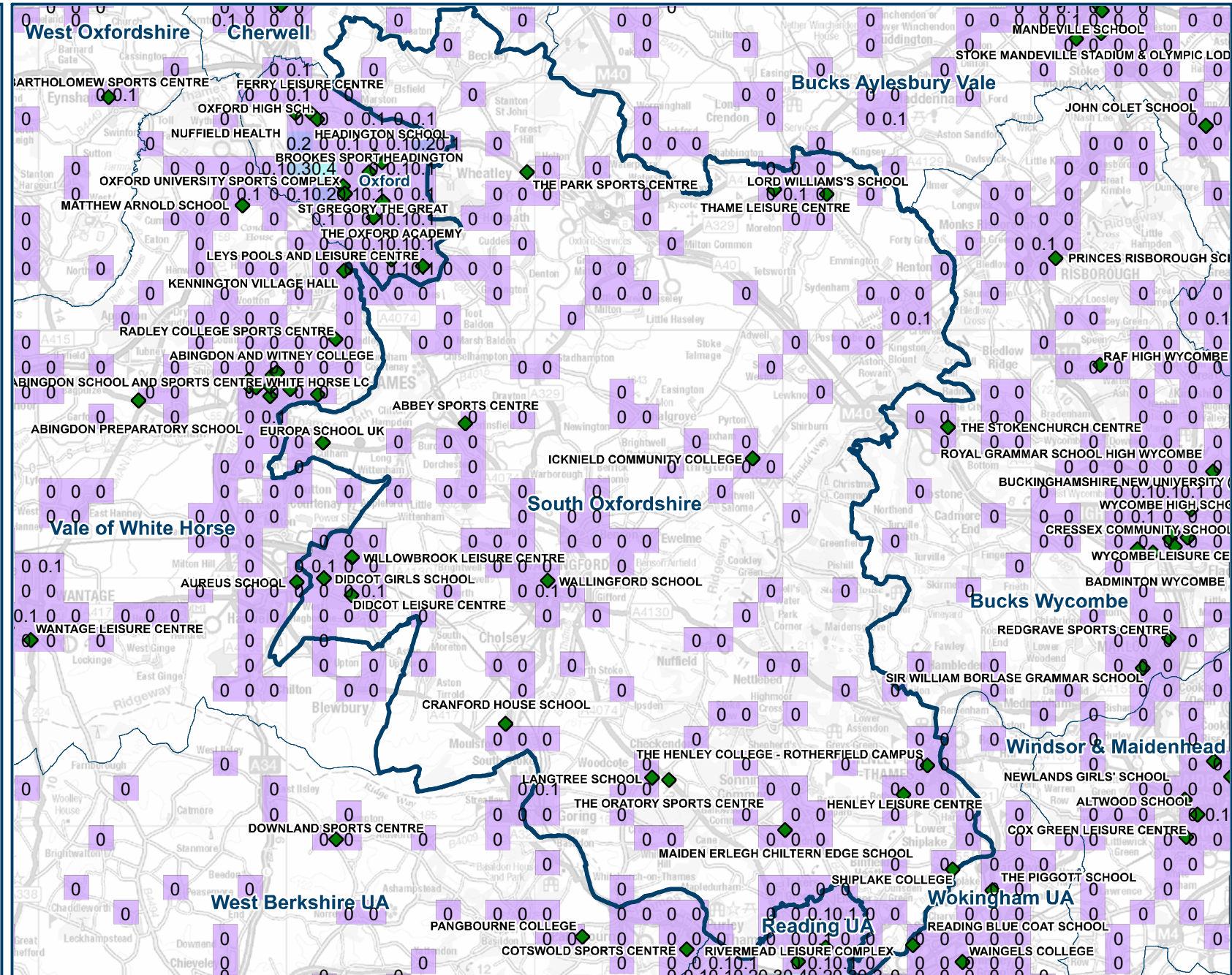
Unmet Demand in 1km squares

expressed as units of badminton courts



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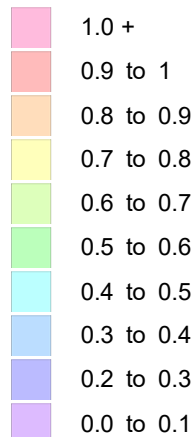


Facilities Included in Run

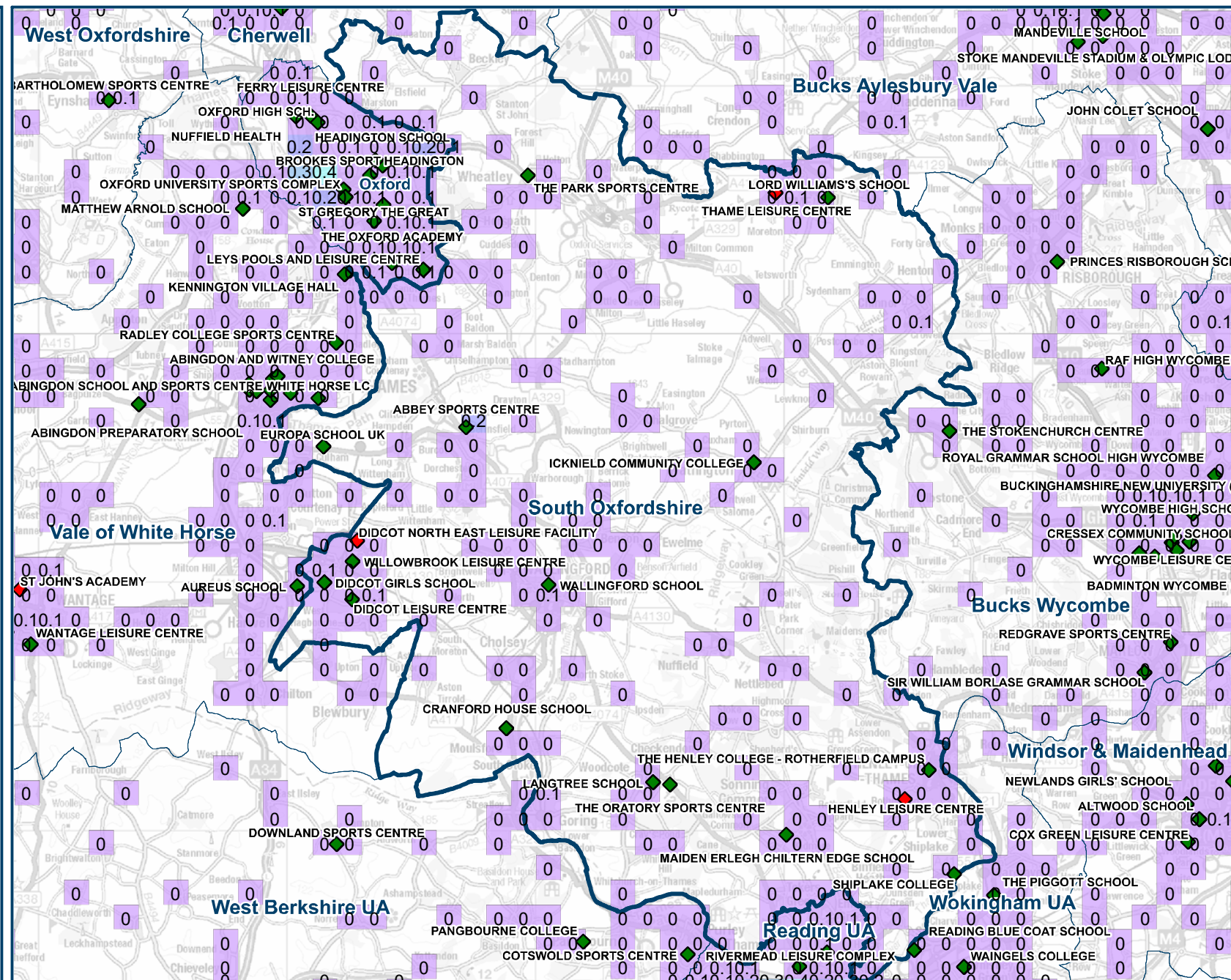
- ◆ Sports Hall Location
- ◆ New Sports Hall Location

☐ South Oxfordshire
☐ Neighbouring Local Authorities

expressed as units of badminton courts



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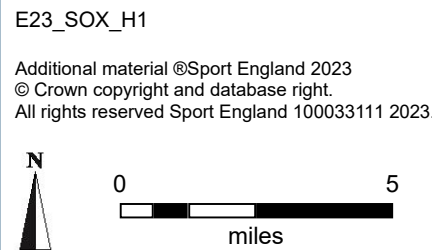
Facilities Included in Run

- ◆ Sports Hall Location
- ◆ New Sports Hall Location

Boundaries

- South Oxfordshire
- Neighbouring Local Authorities

Unmet Demand in 1km squares
expressed as units of badminton courts



5. REACHABLE UNMET DEMAND

Run 1: Existing Provision (2023)

Run 2: Forward Projection (2041)

Run 3: Options for Changes to Supply Scenario 1 (2041)

Facilities Included in Run

◆ Sports Hall Location

Boundaries

South Oxfordshire

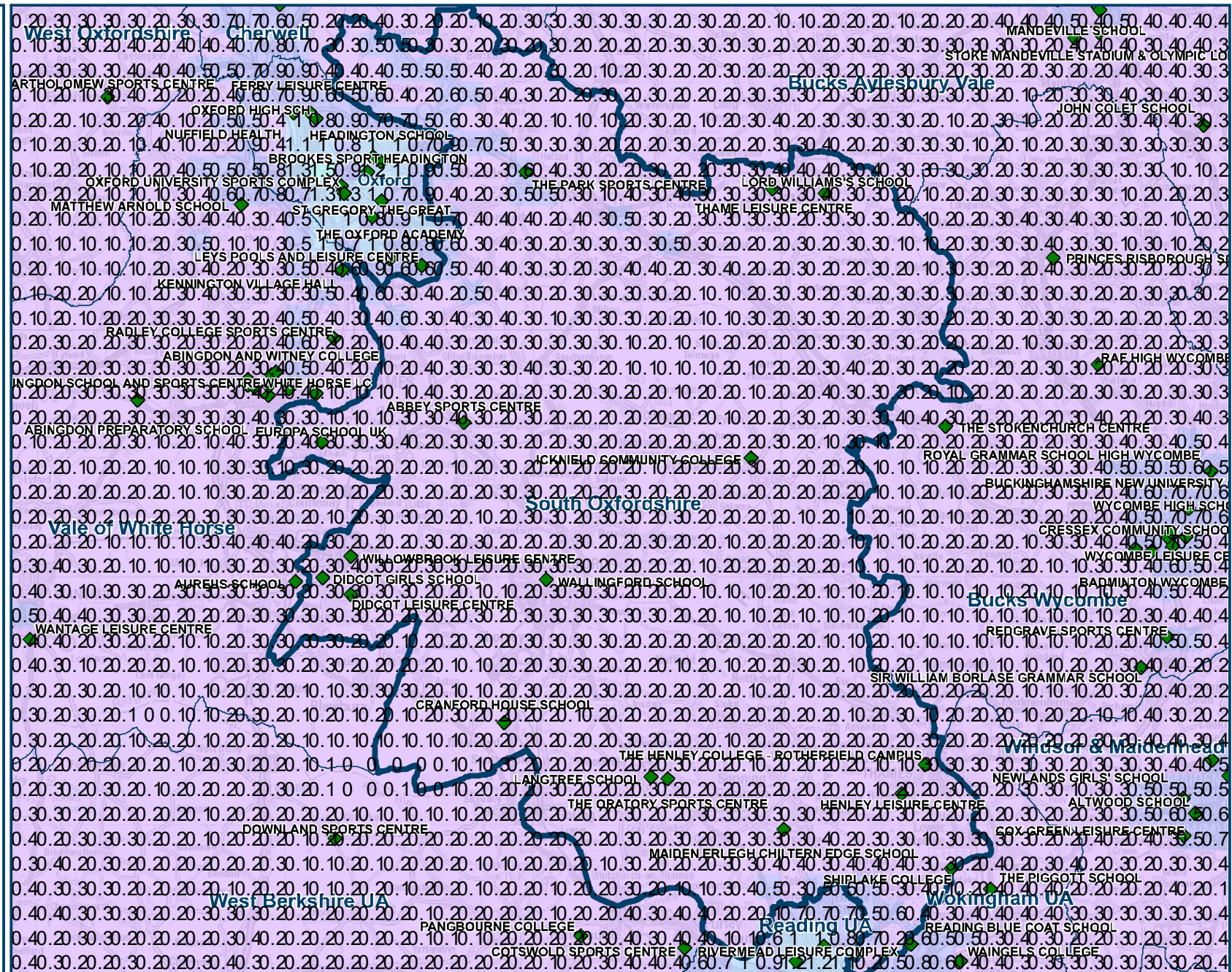
Neighbouring Local Authorities

Reachable Unmet Demand per sq. km
expressed as units of badminton courts

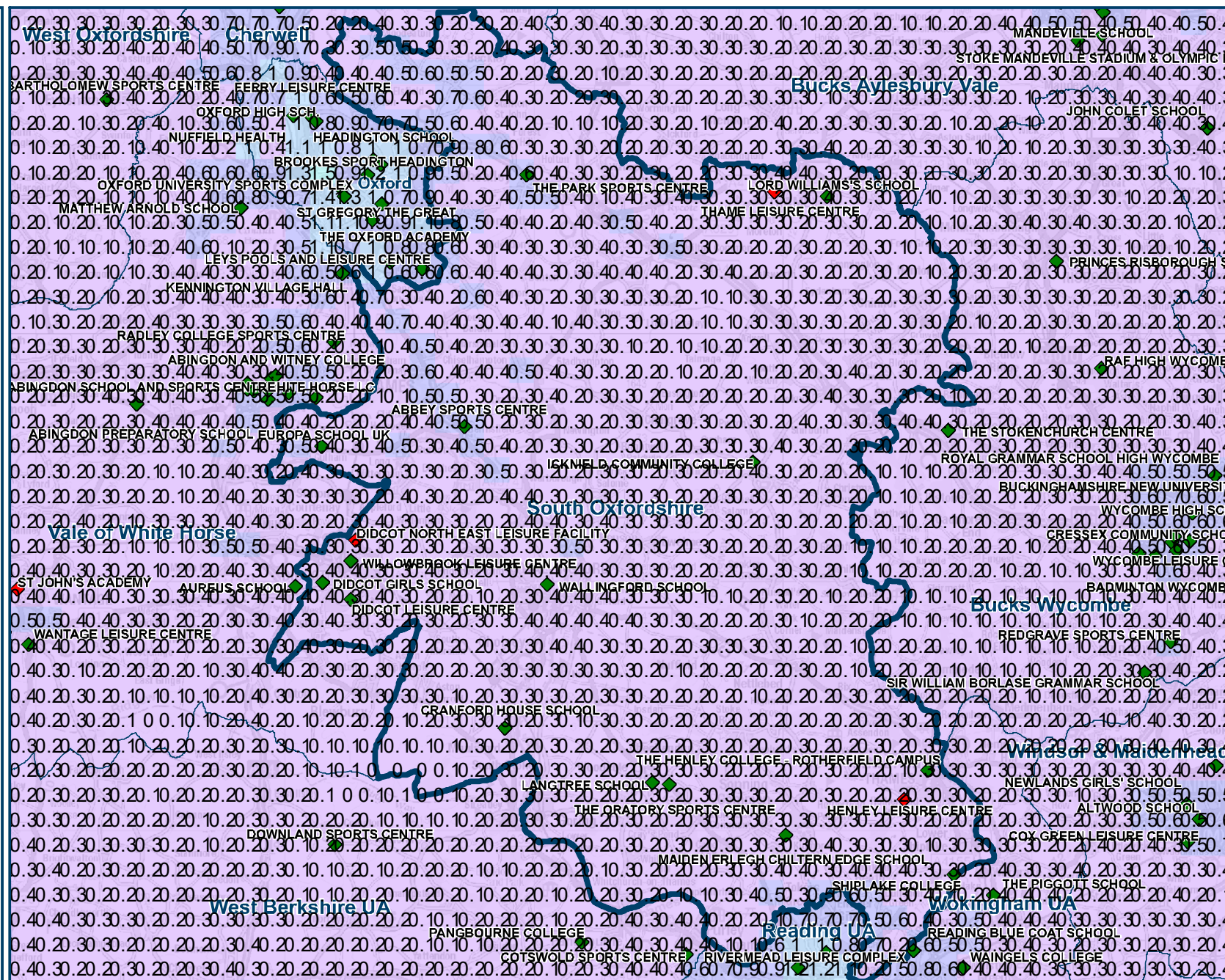


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A horizontal scale bar with a black background. It has white rectangular segments at the beginning and end. The number '0' is at the left end and '5' is at the right end. The word 'miles' is centered below the bar.



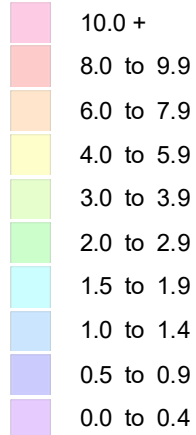
Facilities Included in Run

- ◆ Sports Hall Location
- ◆ New Sports Hall Location

Boundaries

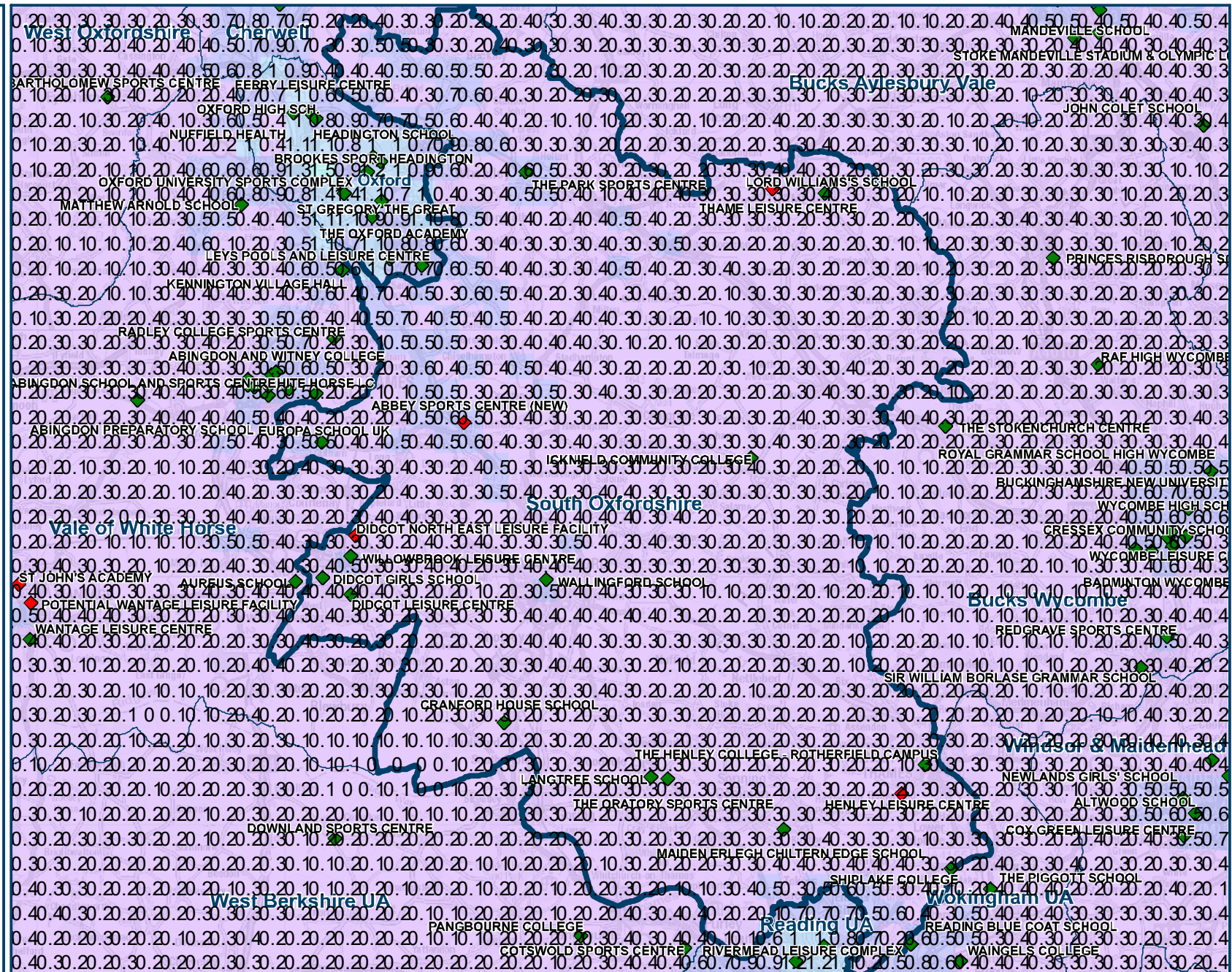
- South Oxfordshire
- Neighbouring Local Authorities

Reachable Unmet Demand per sq. km expressed as units of badminton courts



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6. LOCAL SHARE

Run 1: Existing Provision (2023)

Run 2: Forward Projection (2041)

Run 3: Options for Changes to Supply Scenario 1 (2041)

Facilities Planning Model - Halls Local Share for South Oxfordshire

RUN 1: Existing Provision (2023)

Share of badminton courts divided by demand aggregated at 1km square (figure labels) and shown thematically (colours).

Facilities Included in Run

◆ Sports Hall Location

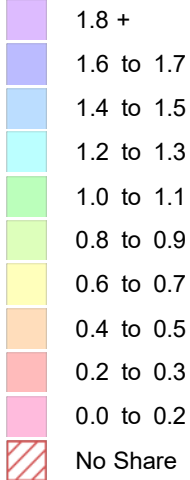
Boundaries

South Oxfordshire

Neighbouring Local Authorities

Local Share of Hall Space

1km Grid

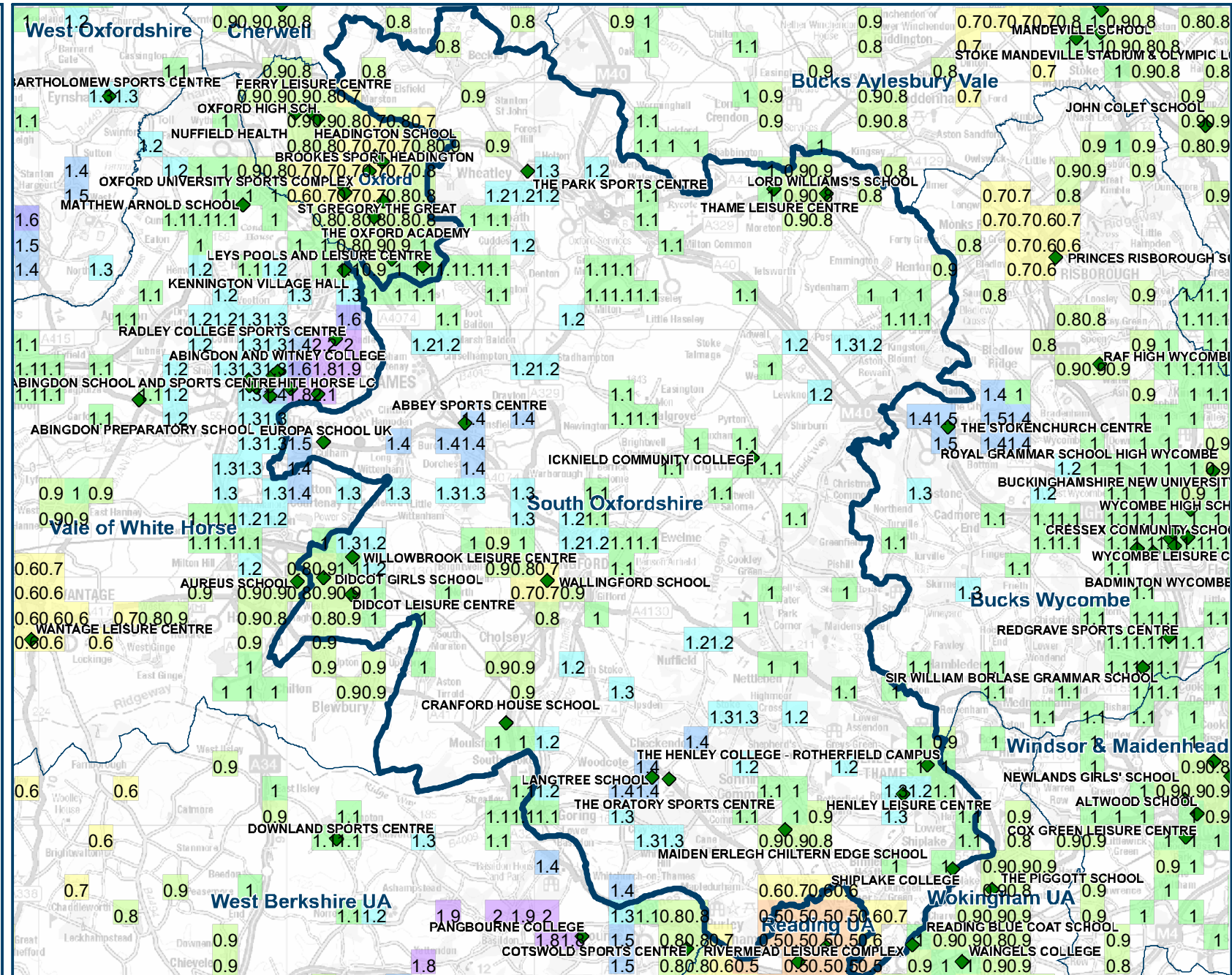


Local Share Value

1: Supply equals Demand
2: Supply is double Demand
0.5: Supply is half Demand

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Facilities Planning Model - Halls Local Share for South Oxfordshire

RUN 2: Forward Projection (2041)

Share of badminton courts divided by demand aggregated at 1km square (figure labels) and shown thematically (colours).

Facilities Included in Run

- ◆ Sports Hall Location
- ◆ New Sports Hall Location

Boundaries

- South Oxfordshire
- Neighbouring Local Authorities

Local Share of Hall Space

1km Grid

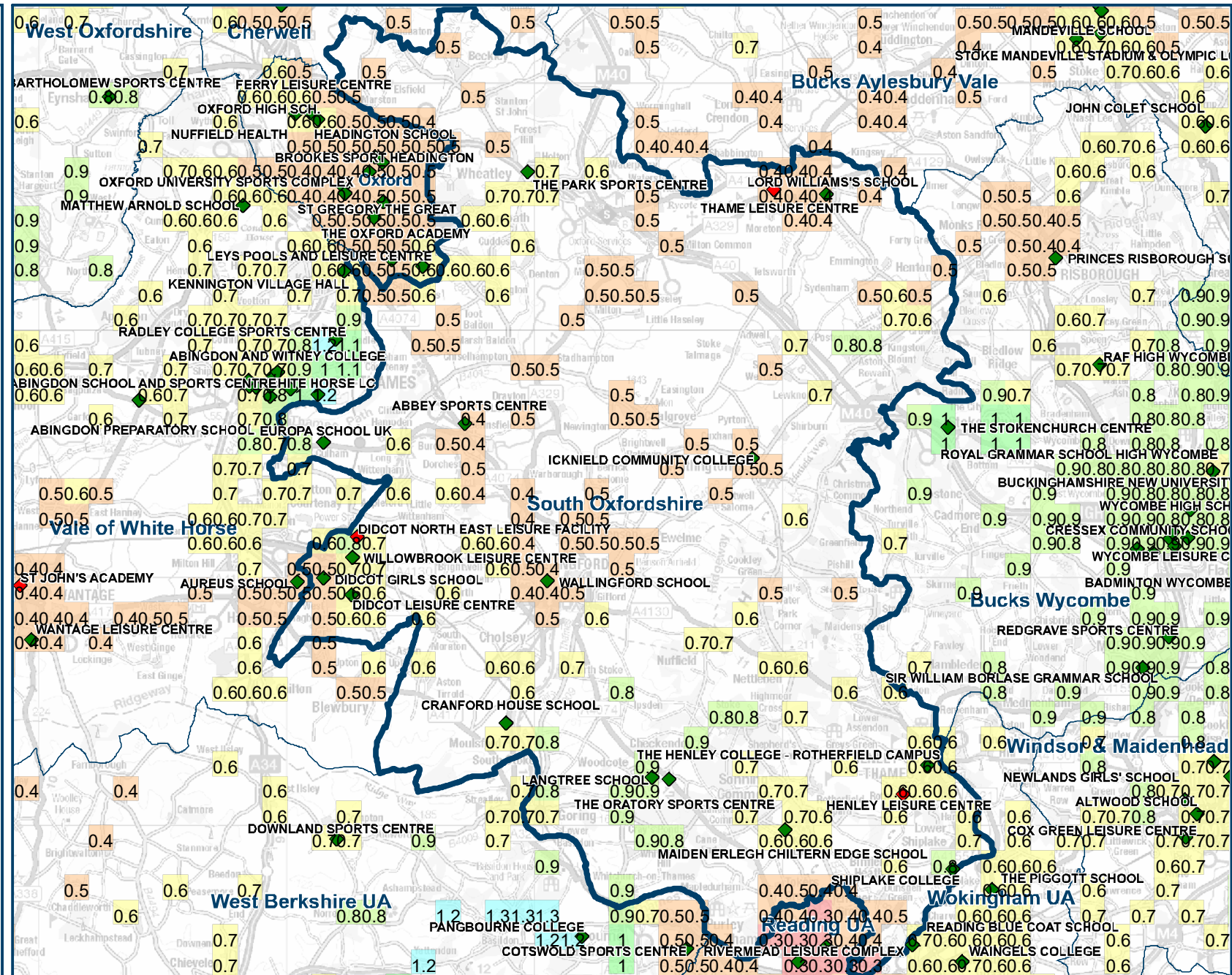
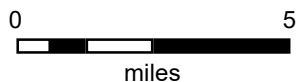
- 1.8 +
- 1.6 to 1.7
- 1.4 to 1.5
- 1.2 to 1.3
- 1.0 to 1.1
- 0.8 to 0.9
- 0.6 to 0.7
- 0.4 to 0.5
- 0.2 to 0.3
- 0.0 to 0.2
- No Share

Local Share Value

- 1: Supply equals Demand
- 2: Supply is double Demand
- 0.5: Supply is half Demand

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Facilities Planning Model - Halls Local Share for South Oxfordshire

RUN 3: Options for Changes to Supply Scenario 1 (2041)

Share of badminton courts divided by demand aggregated at 1km square (figure labels) and shown thematically (colours).

Facilities Included in Run

- ◆ Sports Hall Location
- ◆ New Sports Hall Location

Boundaries

- South Oxfordshire
- Neighbouring Local Authorities

Local Share of Hall Space

1km Grid

- 1.8 +
- 1.6 to 1.7
- 1.4 to 1.5
- 1.2 to 1.3
- 1.0 to 1.1
- 0.8 to 0.9
- 0.6 to 0.7
- 0.4 to 0.5
- 0.2 to 0.3
- 0.0 to 0.2
- No Share

Local Share Value

- 1: Supply equals Demand
- 2: Supply is double Demand
- 0.5: Supply is half Demand

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